Abstract

A circuit arrangement is described, to which the vehicle electric system supply voltage (V_{BAT}) is applied and which for briefly maintaining at least one internal normal d.c. voltage (V_{CC1},...) in the event of failure of the vehicle electric system supply voltage (V_{BAT}) includes an reserve energy accumulator (3) to which a charging voltage higher than the at least one internal normal d.c. voltage is applied in regular operation and which in the event of failure of the vehicle electric system supply voltage delivers a reserve voltage (V_{RES}) with which operation of at least some electronic circuits may be maintained for a limited period of time, and it includes at least one step-down regulator (7,...) which steps down the applied input direct voltage (V_{ZP}) to the at least one internal normal d.c. voltage (V_{CC1},...). In regular operation the supply direct voltage is applied directly as a charging voltage to the reserve energy accumulator and is also applied as the input direct voltage to the step-down regulator.

Figure 2